WHAT IS CLAIMED IS:

- 1. A photothermographic material comprising an image forming layer containing at least a photosensitive silver halide, a non-photosensitive organic silver salt, a reducing agent and a binder, on one surface of a support, and comprising at least one back layer and a back surface protective layer, on the other surface of the support, wherein a binder of the back surface protective layer contains a water-soluble polymer and a latex polymer having a glass transition temperature of -30°C to 40°C.
- 2. The photothermographic material according to claim 1 comprising the latex polymer in an amount of 5% by weight to 50% by weight with respect to a total amount of the binder in the back surface protective layer.
- 3. The photothermographic material according to claim 2 comprising the latex polymer in an amount of 15% by weight to 40% by weight with respect to the total amount of the binder in the back surface protective layer.
- 4. The photothermographic material according to claim 1, wherein the latex polymer has a glass transition temperature of -30°C to 24°C .
- 5. The photothermographic material according to claim 1, wherein the latex polymer is at least one

polymer selected from acrylic polymers, styrene polymers, acrylic/styrene copolymers, styrene/butadiene copolymers, vinyl chloride polymers, vinylidene chloride polymers and urethane polymers.

- 6. The photothermographic material according to claim 5, wherein the latex polymer is an acrylic latex polymer.
- 7. The photothermographic material material according to claim 1, wherein the latex polymer has an I/O value of 0.1 to 1.0.
- 8. The photothermographic material according to claim 7, wherein the latex polymer has an I/O value of 0.5 to 0.9.
- 9. The photothermographic material according to claim 1, wherein the latex polymer comprises an anionic surfactant.
- 10. The photothermographic material according to claim 9, wherein the anionic surfactant is at least one selected from salts of alkylbenzene sulfonic acid and diesters of sulfosuccinic acid.
- 11. The photothermographic material according to claim 1, wherein the water-soluble polymer is gelatin.
- 12. The photothermographic material according to claim 1, wherein the water-soluble polymer is at least one selected from polyvinyl alcohols and acrylic acid/

polyvinyl alcohol copolymers.

- 13. The photothermographic material according to claim 1 comprising a fluorocarbon compound containing a fluoroalkyl group having two or more carbon atoms and 13 or less fluorine atoms.
- 14. The photothermographic material according to claim 13 comprising a fluorocarbon compound containing a fluoroalkyl group having 5 to 9 fluorine atoms.
- Αn image forming method photothermographic material using a thermal developing thermal apparatus, wherein the developing apparatus comprises a thermal development portion having a driving roller and a plate heater, and the photothermographic material according to claim 1 is thermally developed by contacting a surface of the photothermographic material at a side at which the image forming layer is disposed with the driving roller, and by contacting a surface of the photothermographic material at a side at which the back layer is disposed with the plate heater.